

METEOROLOGICAL OBSERVATIONS

THE WEATHER OF 1950

RAINFALL

The rainfall for the Island was 12% in excess of the normal. The driest Parish was Clarendon, which had 3% less than the normal while St. Elizabeth was the wettest with 32% above the normal. The wettest months of the year were October, December, February and January in that order and the driest months were March and May. October had nearly twice the normal amount of rain due to a hurricane, which passed to the west of the Island during the night of 15th/16th. The heaviest rainfall on this occasion occurred in the southern Parishes, Troja in St. Catherine recorded 18.39 inches in the 24 hours.

TEMPERATURE

Average temperatures were 1°-2° below the normal. The highest temperature recorded in Kingston was 95.1° F on 10th July and the coolest night was 15th February when the temperature fell to 62.3° F. A notable feature was the low temperatures recorded in the eastern Parishes in August when the minimum fell to 65.5° F at Morant Point and to 67.0° F in the Kingston area.

NORTHERS

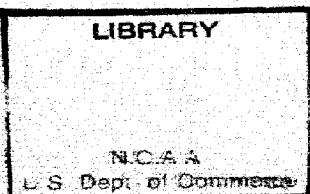
Moderate Northers were experienced on the North Coast of the Island in April, November and December and slight Northers in February and October. The Northers in April and December penetrated southward over the Island and affected the South Coast.

TROPICAL STORMS

There were 12 tropical disturbances in and around the Caribbean in 1950 but only one passed near enough to Jamaica to justify the issue of a warning to the Island.

The first storm of the year was located on 12th August about 250 miles ENE of Guadeloupe. This storm moved NW, curving N and finally NE to pass over Halifax, Nova Scotia on 21st. Five other storms followed a similar course during the period 27th August to 16th October but they all kept further to the east over the Atlantic. The first storm to enter the Caribbean during 1950 followed the line of the Greater Antilles from Puerto Rico to Cuba during the period 21st-27th August then re-curving northward over the Gulf of Mexico. The only hurricane to affect Jamaica was located about 80 miles west of Negril at 1 p.m. on 15th October and a warning was issued for the Western Parishes. The strongest wind reported was 69 m.p.h. at Negril. The passage of the storm was marked by torrential rain for about 48 hours. After turning north over Cuba the hurricane passed over Miami during the evening of 17th October, where winds of 120 m.p.h. were reported. The remaining 4 hurricanes originated in or near the Gulf of Mexico and did not affect the Caribbean Area.

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National Oceanic and Atmospheric Administration

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METEOROLOGICAL OBSERVATIONS

Anti-Slavery
Extreme Temperance

maximum temperatures for one year; wind and cloud observation taken at the airport.

Barometer Pressure reduced to the Standards of National Physical Laboratory 32°, Gravity at Latitude 46° and to Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Height of Thermometers above ground 3 ft. Height of Anemometer above ground 50 ft.

MORANT POINT LIGHTHOUSE, JAMAICA—Mean Meteorological Results for the Year 1930. Latitude 17° 56' North. Longitude 76° 12' West.

METEOROLOGICAL OBSERVATIONS

3

Month	Mean Pressure Ins.	Air Temperatures (Fahr.)						Dew Point			Relative Humidity			Amount of Cloud Eighths			Rainfall Inches			Weather			No. of days of			Wind, No. of Observations of				
		Means of Absolute Min. and Max.			7 a.m. p.m.			7 a.m. p.m.			7 a.m. p.m.			7 a.m. p.m.			7 a.m. p.m.			7 a.m. p.m.			7 a.m. p.m.			7 a.m. p.m.				
		7 a.m.	1 p.m.	7 p.m.	Min.	Max.	Min.	7 a.m.	1 p.m.	7 p.m.	Min.	Max.	Min.	7 a.m.	1 p.m.	7 p.m.	Min.	Max.	Min.	7 a.m.	1 p.m.	7 p.m.	Min.	Max.	Min.	7 a.m.	1 p.m.	7 p.m.		
Jan.	30.031	77.1	79.4	77.5	73.8	81.1	69.6	20	82.3	6	72	73	71	85	81	5.0	4.9	3.7	1.92	0.43	27	15	0	10	1	7	50	29	7	
Feb.	29.999	75.7	79.1	76.4	72.2	80.6	64.9	27	82.4	7	70	72	70	83	78	5.4	5.7	3.7	4.00	1.98	20	11	0	12	0	14	43	18	7	
Mar.	30.008	77.0	81.4	77.7	73.4	82.6	67.6	21	81.7	17	72	74	72	85	77	5.2	4.3	4.5	1.57	0.24	4	15	0	11	0	10	19	26	38	
Apr.	29.851	76.9	81.3	77.7	72.4	82.8	63.0	16	85.0	5	72	73	71	85	78	5.8	4.6	4.1	3.01	1.11	2	12	0	8	0	18	32	19	17	
May	29.864	78.3	83.8	79.8	73.5	85.0	65.6	*16	87.2	29	73	75	74	85	75	82	5.4	4.2	3.8	1.57	0.51	7	14	0	8	0	10	8	24	45
June	29.864	80.3	84.5	80.9	75.7	85.4	70.0	14	88.2	6	75	76	76	85	78	6.4	4.2	5.3	8.47	5.11	13	11	3	19	0	3	6	26	53	
July	29.864	81.3	85.4	82.1	75.8	86.4	69.7	23	88.4	20	76	77	76	85	77	83	5.5	4.9	4.9	2.02	0.68	13	13	3	10	0	2	12	40	88
Aug.	29.864	81.4	86.0	81.8	73.5	87.6	65.5	17	89.4	15	76	78	77	86	78	85	5.5	4.7	3.9	16.39	6.80	31	16	11	8	0	12	20	19	30
Sept.	29.867	80.5	85.8	82.2	76.6	86.9	71.8	*1	89.2	18	76	78	77	88	79	85	6.1	5.3	3.9	8.60	2.96	1	16	9	10	2	4	7	24	32
Oct.	29.851	79.3	83.6	80.4	75.0	85.2	70.6	20	88.3	2	75	77	76	88	81	86	6.2	6.3	4.6	23.27	4.34	14	21	10	19	1	14	12	18	28
Nov.	29.870	78.6	81.6	79.8	76.1	83.4	71.3	19	86.2	4	74	75	74	84	79	81	6.6	6.1	4.7	15.79	5.18	18	16	4	19	1	35	30	9	11
Dec.	29.924	77.1	80.3	78.1	74.4	81.5	65.5	11	84.6	7	72	73	72	84	80	83	6.1	5.7	4.5	9.12	3.00	14	18	5	16	1	22	51	9	9
Means	29.933	78.6	82.7	79.5	74.4	84.0	63.0†	..	89.4†	..	74	75	74	85	78	5.8	5.1	4.3	..	..	..	..	..	..	..	..	..	..	..
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

*And other days.

†Extreme Temperatures for the year.

Barometer Pressure reduced to the Standard of National Physical Laboratory 32°. Gravity at Latitude 45° and to Mean Sea Level. The 55th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 33 ft. Height of Thermometers above ground 4 ft. 6 inches. Height of Rain-gauge above ground 6 ft. 5 ins. Height of Anemometer above the ground 94 ft. to the 31st May, 1935, and 8 ft. above ground from 1st June, 1935.

NERCIL POINT LIGHTHOUSE, JAMAICA—Mean Meteorological Results for the Year 1950. Latitude 18° 16' North. Longitude 78° 23' West.

METEOROLOGICAL OBSERVATIONS

Month	Air Temperatures (Fah.)						Dew Point	Relative Humidity	Amount of Cloud Eighths	Rainfall Inches	Weather No. of days of Clear Sky	Wind No. of Observations of												
	Means of Absolute Max. and Min.			7 a.m.	1 p.m.	7 p.m.						7 a.m.			7 p.m.									
	Max.	Min.	Max.									D ₈	D ₉	D ₁₀	Max.	Min.	Max.	D ₈	D ₉	D ₁₀				
Mean Pressure	70.8	83.6	74.7	66.5	85.4	62	87	80	67	66	66	89	55	77	2.5	2.9	2.7	1.00	0.50	24				
Jan.	30.018	69.3	82.4	74.0	64.6	84.8	60	7	88	24	64	66	66	83	58	75	2.0	2.7	2.6	0.94	0.70	12		
Feb.	29.984	70.3	82.9	76.5	67.2	84.8	64	3	89	26	67	68	68	80	61	77	1.6	2.8	4.4	2.69	0.84	26		
Mar.	29.985	72.9	82.6	77.2	67.8	84.8	64	8	89	28	68	69	68	83	61	73	2.6	3.3	3.9	2.08	0.47	7		
Apr.	29.945	72.9	84.6	78.0	70.6	86.6	66	12	89	17	70	72	71	83	65	80	2.5	2.9	4.3	7.77	2.41	6		
May	29.912	76.2	86.1	78.7	72.3	86.5	71	*3	90	19	71	73	73	83	66	81	3.0	4.5	5.3	5.62	1.08	7		
June	29.925	76.9	86.1	80.1	72.1	88.6	68	15	92	31	70	73	74	80	65	81	1.8	3.4	3.6	2.54	0.62	10		
July	29.975	76.6	86.5	80.1	72.1	88.6	68	15	92	31	70	73	74	86	67	79	2.9	3.0	4.3	5.45	1.37	19		
Aug.	29.884	78.0	86.6	81.0	73.9	89.2	72	*2	93	12	74	75	74	86	70	86	1.4	22	..	0	0	20		
Sept.	29.870	77.4	85.0	79.5	73.6	87.3	71	*2	91	16	73	75	75	87	74	84	4.2	4.1	4.8	9.28	2.90	22		
Oct.	29.826	76.7	84.8	77.9	73.0	86.5	70	29	90	23	73	74	74	87	70	86	5.0	4.7	5.2	15.60	6.25	15		
Nov.	29.857	73.6	84.2	76.6	70.0	85.6	64	20	91	24	70	71	70	89	64	81	4.9	5.2	3.6	2.12	0.87	24		
Dec.	29.914	72.5	82.9	75.6	68.8	85.1	60	12	90	3	69	69	68	89	61	78	4.1	4.0	2.6	0.63	0.26	17		
Means	29.925	74.3	84.3	77.6	70.0	86.3	60†	..	93†	..	70	71	86	64	80	3.1	3.7	3.9
Totals	

*And other days.

†Extreme Temperatures for the year.
‡Barometric Pressure reduced to the Standard of National Physical Laboratory 32°. Gravity at Latitude 45° and to Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 22 ft. Height of Rain Gauge above ground 3 ft. Height of Anemometer above ground 18 ft.

STATION NOTES

The climatological readings for Kingston are made from several stations. Temperatures and humidity are measured in a Stevenson Screen situated at St. George's College, and supervised by the Society of Jesuits. The exposure is good and the readings are considered representative of the area. Rainfall is measured at the Public Works Office but there are several other gauges within a two mile radius with which to compare. This is necessary with the capricious nature of Jamaica rain. Cloud weather and wind are recorded at Palisadoes Airport situated on the seaward side of Kingston Bay. This is a full time synoptic and climatological meteorological station, first class, maintained by Air Ministry staff, and is the forecast centre for the western Caribbean. Here the exposure is excellent but the cloud amount tends to be less than over the City. Showers are also less frequent. The day sea breeze sets in earlier at the Airport and apparently is stronger, while the night land breeze which cools the urban area does not appreciably affect the Airport till dawn. Wind is recorded by Dines Pressure Tube Recording Anemometer.

Both Morant Point and Negril Point Light house are full synoptic reporting stations with a good complement of instruments. Exposures are open and very good, the sites at the extreme east and west extremities of the Island being excellent for their main purpose of weather reporting for immediate international use.